

Available online at www.sciencedirect.com



Volume 24, Number 3, June 2003



www.elsevier.com/locate/ijhff

CONTENTS

Selected Keynote Lectures from the 12th International Heat Transfer Conference Grenoble, France, 18-23 August 2002

Preface	283
Size effect on single-phase channel flow and heat transfer at microscale ZY. Guo and ZX. Li	284
Buoyancy driven vortex flow and thermal structures in a very low Reynolds number mixed convective gas flow through a horizontal channel TF. Lin	299
Chaotic advection and heat transfer enhancement in Stokes flows A. Lefèvre, J.P.B. Mota, A.J.S. Rodrigo and E. Saatdjian	310
Flow transition behind a heated cylinder A.A. van Steenhoven and C.C.M. Rindt	322
Hydrodynamic and statistical parameters of slug flow L. Shemer	334
Recent developments in the measurement of convective heat transfer rates by laser interferometry D. Naylor	345
* * * * * * * * *	
Direct numerical simulation of heat transfer over riblets E. Stalio and E. Nobile	356
Large-eddy simulation of turbulent flow in a channel with rib roughness J. Cui, V.C. Patel and CL. Lin	372
Numerical investigations of liquid-solid slurry flows in a fully developed turbulent flow region J. Ling, P.V. Skudarnov, C.X. Lin and M.A. Ebadian	389
Direct numerical simulation of turbulent concentric annular pipe flow. Part 2: Heat transfer	
S.Y. Chung and H.J. Sung	399
Large eddy simulation of turbulent flow in a rotating pipe A.A. Feiz, M. Ould-Rouis and G. Lauriat	412
The effect of negative shear on the transitional separated flow around a semi- circular leading edge A. Palikaras, K. Yakinthos and A. Goulas	421



CONTENTS This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: <u>http://contentsdirect.elsevier.com</u>